Memorandum

Tempe

Water Utilities Department

Date: July 19, 2001

Mayor and Council To:

From: Tom Gallier, Water Utilities Manager (350-2625)

Will Manley, City Manager

Patrick Flynn, Assistant City Manager

Subi: Water Utilities Rates and Development Fees

Summary and Recommendations

At the April 5, 2001 Council Work Study Session, staff presented results of the Water Utilities Integrated Master Plan, the recommended \$183 million six year capital improvement program (C.I.P.) necessary to implement the plan (see attached table on page 13), and a detailed analysis of rate and development fee impacts and recommendations. Council approved the C.I.P., but directed staff to further examine:

- Alternative approaches to allocating the cost recovery between customer rates and water and sewer development fees,
- Impacts of increasing development fees on economic growth and development,
- Legal/financial implications of granting development fee waivers, and,
- The appropriate level of the Water Fund unreserved cash balance.

Water Utilities, Financial Services, and City Attorney's Office staff have reviewed these issues and reached the following recommendations:

- Allocate cost recovery based on the growth/non-growth ratio of the capital 1. improvement program (\$88 million to growth, and \$95 million to non-growth).
- 2. The growth related component should be recovered by an increase in the water/sewer development fees of approximately 65%.
- The non-growth related component should be recovered by annual increases in 3. the monthly total water/sewer rates of approximately 2.5%.
- The Water Fund unreserved cash balance should be maintained at an amount 4. equal to 100% of the previous fiscal year revenues (currently about \$45 million). Excess funds should be used to increase cash funding of projects and reduce the need for bonded debt.
- Waiving water and sewer development fees should be avoided, or reimbursed to 5. the Water Fund by the General Fund.

Discussion

These recommendations would still leave Tempe with water and sewer development fees that are among the lowest in the Phoenix metropolitan area, and ensure that growth pays its fair share of the costs to increase system capacity. The increases should not have a significant impact on growth and development within the City. A table and attached graphs (pages 3 -7) illustrates the comparative impact of the recommended development fees for residential, 1 inch, 2 inch, and 3 inch water meters.

The recommended increases in water and sewer rates would be below the current urban consumer price index of 3.4%, and should allow Tempe to maintain its position as the lowest cost water and sewer provider in the Phoenix area. A table is attached (page 8) which illustrates the impact of these rate increases on a typical residential account over the next six years. A comparative Cost of Service table and graph (pages 2 and 10), including water and sewer fees, has been prepared by the Financial Services Department and includes all Valley cities.

Comparative examples of water/sewer fund balances are presented on page 11. Finally, the fiscal impact of all of these recommended adjustments and policies is summarized in the Operating Pro-Forma table, which can be found on page 9.

Requested Direction from Council

- Staff recommends an approximate 65% increase in water/sewer development fees to cover growth-related costs in the approved Capital Improvement Program (see schedule on page 12). Can staff move forward with the process to enact such development fee adjustments?
- Staff is recommending approximate annual 2.5% rate increases on the **total** water/sewer bills (see schedule on page 12). Can staff move forward with the rate adjustment process?
- Staff proposes that future rate adjustments be considered on a biennial basis, concurrent with consideration of biennial operating and capital Water Utilities Department budget requests (Example: adjustments for the FY 2001-2003 budget would become effective Nov. 1, 2001, and Nov. 1, 2002). Is this agreeable to Council?
- Staff recommends that water/sewer development fee waivers no longer be granted, unless the Water Fund receives reimbursement from the General Fund or other sources. Is this agreeable to Council?

Conclusions

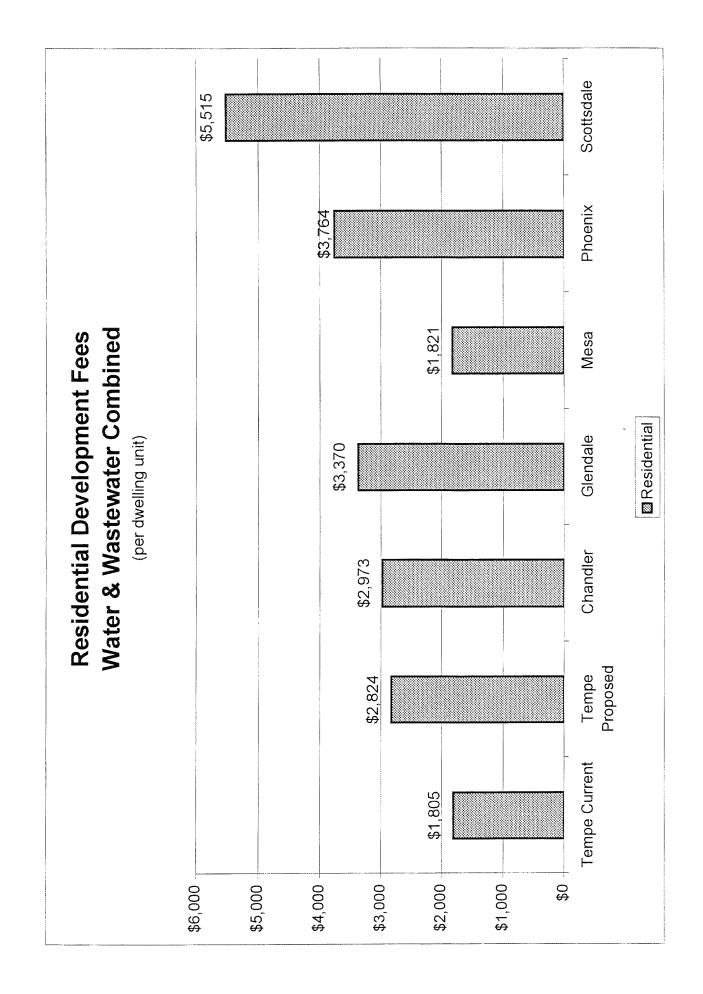
Staff believes this recommended financing plan and associated policy recommendations will allow the utility to maintain adequate financial reserves, establish an equitable distribution between growth and non-growth elements of the C.I.P., maintain competitive water and sewer development fees and rates, and avoid short-term rate spikes.

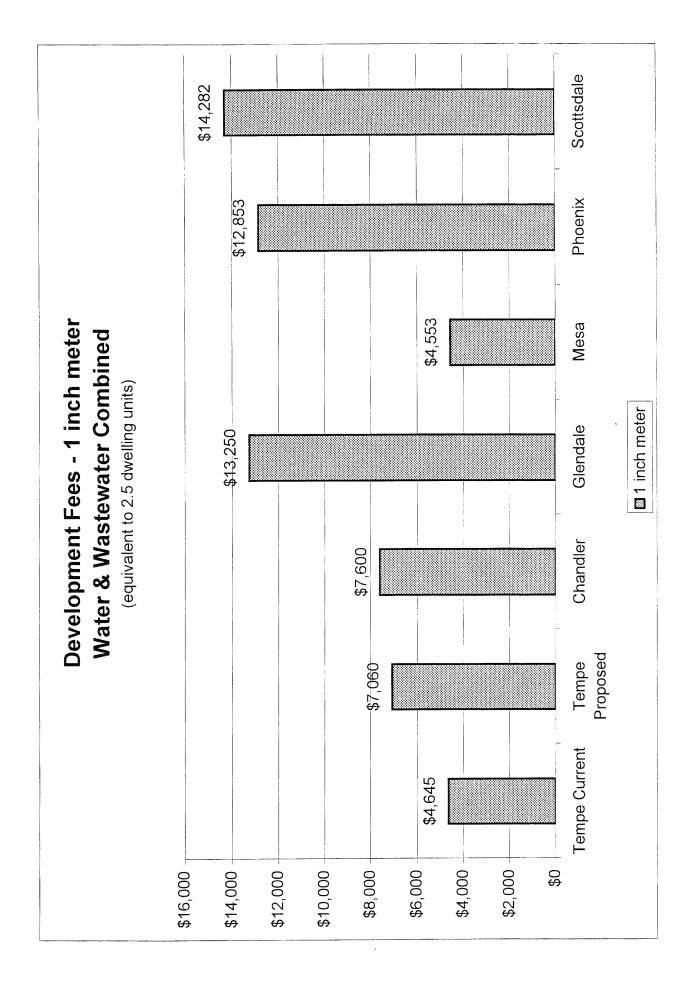
Water/Wastewater C.I.P. Funding Discussion Support Documents

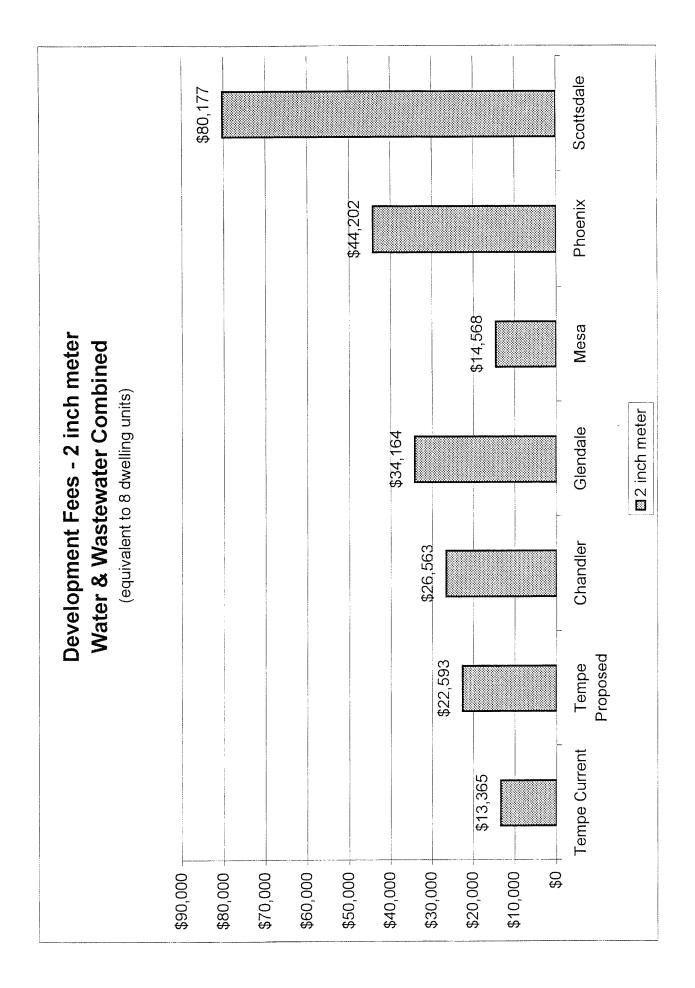
Water/Wastewater C.I.P. Funding Discussion Key Discussion Points

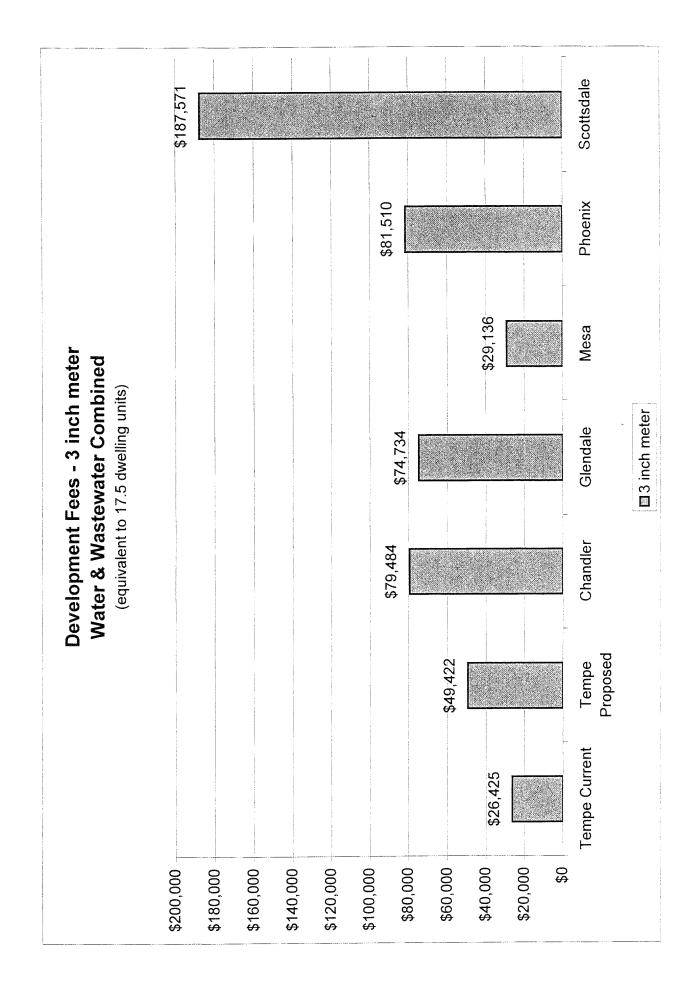
- Council has approved the \$183 million six-year C.I.P.
- The C.I.P. has growth (\$88 mill.) and non-growth (\$95 mill.) elements.
- Three alternatives to recover costs:
 - 100% to development fees (not recommended),
 - No development fee increase increased cost shifted to rate payers (<u>not recommended</u>), and
 - Allocate equitably between development fees and rates (recommended).
- Staff recommends allocation as the most equitable and legally defensible approach.
- Recommended alternative with rate/dev. fee adjustments and fund balance reductions allows cash funding over 40% of the \$183 million C.I.P.
- Recommended Water Fund balance cap at \$45 \$50 million.
- Growth component cost recovery results in average 65% increase in water/sewer development fees.
- Non-Growth component cost recovery results in annual total residential water/sewer rate adjustments at about \$0.82 (2.5%) per month.
- This plan assumes all projected Water/Sewer development fees will be collected, and that future waivers will be minimized.
- Initial rate/development fee adjustments should be in place by end of 2001, and will be reviewed every two-year budget cycle.
- Water/Sewer rates and development fees remain among the lowest in the Valley.

Source: Cost of Service Report, Financial Services Department, July 2001. Assumes average monthly water consumption of 15,000 gallons.









City of Tempe Proposed Development Fees

Proposed Fees Based on Present Value of Total Growth Related Debt Service. Average Increase: 65%.

Customer Class	Ten	Tempe (current	(t)	Tem	Tempe - Proposed	pes
	Water	Sewer	Total	Water	Sewer	Total
Residential					***************************************	
Single Family	\$875	\$930	\$1,805	\$1,266	\$1,558	\$2,824
Multi-family	\$875	\$930	\$1,805	\$1,266	\$1,558	\$2,824
Commercial						
5/8 inch	\$875	\$930	\$1,805	\$1,266	\$1,558	\$2,824
3/4 inch	\$1,310	\$1,440	\$2,750	\$1,899	\$2,337	\$4,236
1 inch	\$2,100	\$2,545	\$4,645	\$3,166	\$3,895	\$7,060
1-1/2 inch	\$4,130	\$4,465	\$8,595	\$6,331	\$7,790	\$14,121
2 inch	\$6,395	\$6,970	\$13,365	\$10,130	\$12,463	\$22,593
3 inch	\$12,660	\$13,765	\$26,425	\$22,159	\$27,263	\$49,422
4 inch	\$20,990	\$22,830	\$43,820	\$37,986	\$46,737	\$84,724

Comparison to Other Cities:

	Total		5,515	4,102		4,767	8,144	14,282	35,893	80,177	187,571	276,943
Scottsdale	Sewer		2,576	2,150		3,821	6,527	11,446	28,766	64,258	150,329	221,956
,	Water		2,939	1,952		947	1,617	2,836	7,126	15,919	37,242	54,987
	Total		3,764	3,764		3,764		12,853	26,960	44,202	81,510	167,345
Phoenix	Sewer		1,337	1,337		1,337		5,575	11,637	18,912	35,887	72,262
	Water		2,427	2,427		2,427		7,278	15,323	25,290	45,623	95,083
	Total		1,821	1,293		1,821		4,553	9,105	14,568	29,136	45,525
Mesa	Sewer		920	653		920		2,300	4,600	7,360	14,720	23,000
	Water		901	640		901		2,253	4,505	7,208	14,416	22,525
	Total		3,370	1,894				13,250		34,164	74,734	128,115
Slendale	Sewer		2,003	1,370				8,710		22,500	49,219	84,375
	Water		1,367	524				4,540		11,664	25,515	43,740
	Total			1,963		2,973	4,717	7,600	15,836	26,563	79,484	104,006
Chandler	Sewer		1,288	914		1,288	1,932	3,218	6,437	10,300	22,529	32,186
	Water			1,049		1,685	2,785	4,382	666'6	16,263	56,955	71,820
Customer Class		Residential	Single Family	Multi-family	Commercial	5/8 inch	3/4 inch	1 inch	1-1/2 inch	2 inch	3 inch	4 inch

ω
ø
Ď
Ъа

DRAFT Recommended Alternative

WATER / WASTEWATER FUND

Monthly Cutomer Impact

CITY OF TEMPE, ARIZONA

FINANCIAL MODEL

Assumes ~65% increase in development fees in mid-2002.

nd
.=
7
\simeq
-
ш
-
-
ര
Year
×-
-
ಹ
C
ŭ
.==
ш

	<u>^</u>	מש בש	Ū	G E										
Single Family Residential		2001 2002		2002	``	2003	`	2004	` `	2002		2006 2007		2007
Summary														
Total Monthly Water	↔	20.35	↔	20.75	↔	21.17	↔	21.59	↔	22.02	↔	22.46	↔	22.90
Water - Percent Increase		0.0%		0.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0%		2.0%		2.0%		2.0%		2.0%		2.0%
Total Monthly Sewer	↔	11.79	↔	12.20	↔	12.61	↔	13.00	↔	13.39	↔	13.76	↔	14.13
Sewer - Percent Increase		0.0%		0.0% 3.5% 3.3% 3.1% 3.0% 2.8%		3.3%		3.1%		3.0%		2.8%		2.7%
Total Monthly W/WW/ Bill	↔	32.14	₩	32.95	↔	33.77	↔	34.59	↔	35.40	↔	36.22	↔	37.04
Nominal Dollar Increase	↔	ı	↔	- \$ 0.81 \$ 0.82 \$ 0.82 \$ 0.81 \$ 0.82 \$ 0.82	↔	0.82	↔	0.82	↔	0.81	↔	0.82	↔	0.82
Percent Increase (%)		%0.0		2.53%		2.48%		2.42%		2.36%		2.31%		2.26%

ssumes average monthly water consumption of 15,000 gallons.

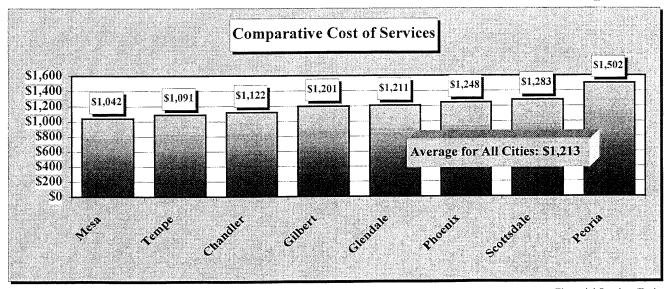
Note: Current CPI = 3.4% (Source: Arizona's Economy, University of Arizona)

CITY OF TEMPE, ARIZONA FINANCIAL MODEL	DRAFT	Recommended Alternative	i Alteri	native					
WATER / WASTEWATER FUND OPERATING PRO-FORMA		Assumes ~65% increase in development fees in mid-2002. Projected Fund Balance restricted to \$45 - \$50 million.	increa Baland	se in develo se restricted	ppment fees to \$45 - \$50	in mic millio	-2002. n.		
	Fiscal Year Ending								
	2002	2003		2004	2005		2006		2007
REVENUE									
Water Operating Revenues	\$ 25,136,422	\$ 25,959,640	\$ 26	26,809,818	\$ 27,687,839	39 \$			29,531,090
Wastewater Operating Revenues	\$ 15,877,958	\$ 16,473,870	\$ 17	17,068,383	\$ 17,659,870	70 \$	18,251,785	↔	18,842,605
Irrigation Operating Revenues	\$ 268,859	\$ 268,859	↔	268,859	\$ 268,859	59 \$	268,859	↔	268,859
Interest Revenue	\$ 3,631,507	\$ 3,364,008	↔	2,780,322	\$ 2,418,137	37 \$	2,298,998	↔	2,282,260
Miscellaneous Revenue	\$ 1,932,811	\$ 1,932,811	↔	1,932,811			1,932,811	↔	1,932,811
Development Fee Revenue	\$ 2,199,500	\$ 2,739,000	8	2,739,000	\$ 2,739,000	\$ 00	2,739,000	↔	2,739,000
TOTAL REVENUE	\$ 49,047,056	\$ 50,738,187	ડ	51,599,192	\$ 52,706,516	16 \$	54,086,069	↔	55,596,625
OPERATING EXPENSES									
Operating Expenses									
Salaries and Wages	\$ 7.020,100	\$ 7,441,300	49	7,887,800	\$ 8,361,100	\$ 00	8,862,800	↔	9,305,940
Fringe Benefits	•		· 63	1,959,200	\$ 2,178,600	00	2,420,400	↔	2,541,420
Materials and Supplies			8	2,717,900	\$ 2,825,300	00	2,938,300	↔	2,997,066
Fees and Services		\$ 6,167,000	\$	6,428,000	\$ 6,703,200	\$ 00	6,996,100	↔	7,136,022
Wastewater Plant - 91st Avenue		\$ 3,785,600	ω	3,937,024	\$ 4,094,505	05 \$	4,258,285	↔	4,428,617
Net Loss from Joint Venture	\$ 2,090,000	\$ 1,980,000	· \$	1,870,000	\$ 1,760,000	\$ 00	1,650,000	↔	1,540,000
Depreciation	\$ 9,183,757	\$ 10,624,949	\$	12,282,356	\$ 13,196,469	69	13,840,786	↔	14,314,865
Interest Expense	\$ 3,985,596	\$ 4,368,105	₩	5,662,933	\$ 6,379,846	46 \$	6,884,682	₩	7,900,509
Contingency	, ↔	' \$>	↔	ı	€	₩.	•	ઝ	•
Internal Services	\$ 4,295,402	\$ 4,572,420	.	4,869,017	\$ 5,186,717	17 \$	5,527,142	↔	5,637,685
TOTAL OPERATING EXPENSES	\$ 40,298,655	\$ 43,347,473	8	47,614,230	\$ 50,685,737	37 \$	53,378,495	↔	55,802,123
NET EXCESS (DEFICIT)	\$ 8,748,402	\$ 7,390,714	8	3,984,963	\$ 2,020,780	\$ 08	707,574	₩	(205,499)
Pay as you go Financing	\$ (13,966,000)	\$ (23,348,313)	↔	(16,656,688)	\$ (11,989,375)	(22)	(8,680,000)	↔	(7,344,688)
CIP cash flow adjustment*	\$ (27,481)	↔	↔	5,570,067	\$ 7,632,528	28 \$	7,644,236	↔	7,580,857
PROJECTED FUND BALANCE**	\$ 65,960,935	\$ 54,516,118	\$ 47	7,414,459	\$ 45,078,391	91 \$, 44,750,201	8	44,780,872

^{*} Depreciation less Principal ** Projected Available Cash

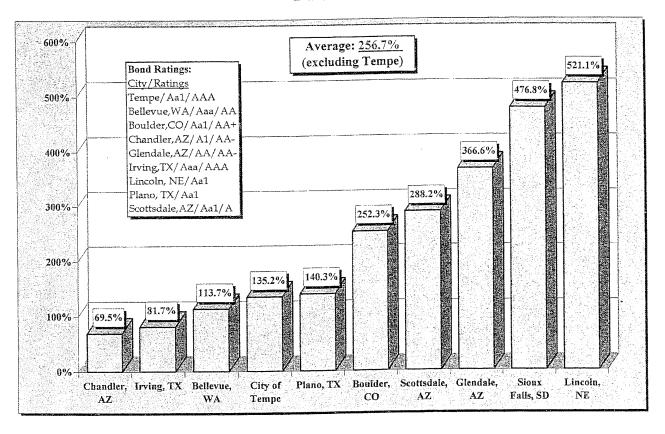
COMPARATIVE COST OF SERVICES REPORT As of July 1, 2001

	Property	-					
	Tax	Sales Tax	Sanitation	Water	Sewer	Other	Total
MESA							
Rate	0	1.50%	\$15.25	\$32.29	\$15.41		
Annual Cost	0	\$286.88	\$183.00	\$387.48	\$184.95		\$1,042.31
ТЕМРЕ							
Rate	\$1.35	1.80%	\$11.75	\$20.35	\$11.79		
Annual Cost	\$151.46	\$413.08	\$141.00	\$244.17	\$141.52		\$1,091.23
CHANDLER							
Rate	\$1.29	1.50%	\$11.90	\$26.61	\$14.26		
Annual Cost	\$144.73	\$344.24	\$142.80	\$319.32	\$171.12		\$1,122.21
GILBERT							
Rate	\$1.25	1.50%	\$14.05	\$23.45	\$22.21		
Annual Cost	\$140.24	\$344.24	\$168.60	\$281.40	\$266.49		\$1,200.97
GLENDALE							
Rate	\$1.72	1.30%	\$12.75	\$27.26	\$20.00		
Annual Cost	\$192.97	\$298.34	\$153.00	\$327.12	\$240.00		\$1,211.43
PHOENIX							
Rate	\$1.82	1.80%	\$19.20	\$23.05	\$14.47	\$1.60	
Annual Cost	\$204.19	\$344.25	\$230.40	\$276.60	\$173.66	\$19.25	\$1,248.35
SCOTTSDALE							
Rate	\$1.15	1.40%	\$14.07	\$35.77	\$15.39	\$4.16	
Annual Cost	\$129.02	\$321.29	\$168.84	\$429.27	\$184.67	\$49.97	\$1,283.06
PEORIA							
Rate	\$1.59	1.50%	\$12.49	\$46.27	\$22.86		
Annual Cost	\$178.39	\$344.24	\$149.88	\$555.24	\$274.32		\$1,502.07



Comparative Benchmark Illustration Fund Balance Coverage ¹ Water-Wastewater Fund

FY 1999-00



Benchmark/GFO	Wastewater	[1] A. College and the property of the control o	Fund Balance
A Award City	Fund Revenue	Retained Earnings	Coverage
Chandler, AZ	46,945,746	32 <i>,</i> 627 <i>,</i> 777	69.5%
Irving, TX	52,565,781	42,952,020	81.7%
Bellevue, WA	45,045,000	51,226,000	113.7%
City of Tempe	41,727,746	56,434,920	135.2%
Plano, TX	60,100,870	84,293,645	140.3%
Boulder, CO	22,238,000	56,099,000	252.3%
Scottsdale, AZ	83,305,000	240,053,000	288.2%
Glendale, AZ	48,330,693	177,194,102	366.6%
Sioux Falls, SD	20,580,978	98,130,140	476.8%
Lincoln, NE	33,167,456	172,850,885	521.1%

¹ Fund Balance Coverage is defined as Unreserved, Undesignated Retained Earnings divided by Water-Wastewater Fund rev Sources for financial data: Comprehensive Annual Financial Reports

DRAFT-	- Schedule	for	Water/	Wastewater	Rate Adjustments
--------	------------	-----	--------	------------	------------------

July 26, 2001	Council Issue Review Session – Review of proposed water/wastewater rates with City Council.
August 9, 2001	Supply written report of data supporting rate increase to the City Clerk (at least 30 days prior to the September 13, 2001 Public Hearing).
August 9, 2001	Adopt Notice of Intention to set time and date of the Public Hearing (at least 30 date prior to the Public Hearing).
August 23, 2001	Publish Notice of Intention in newspaper (not less than 20 days prior to the Public Hearing).
September 13, 2001	Hold Public Hearing and Adopt Rate Adjustments.
November 1, 2001	Effective date of rate adjustments (at least 30 days after the rate resolution is adopted).

DRAFT – Schedule for Water/Wastewater Development Fee Adjustments

July 26, 2001	Council Issue Review Session – Review of proposed water/wastewater rates with City Council.
August 9, 2001	Supply written report of data supporting fee increase to the City Clerk (at least 30 days prior to the September 13, 2001 Public Hearing).
August 9, 2001	Adopt Notice of Intention to set time and date of the Public Hearing (at least 30 days prior to the Public Hearing).
September 13, 2001	Hold Public Hearing.
October 11, 2001	Adopt Development Fees (at least 14 days after Public Hearing).
January 11, 2001	Effective date of adjusted development fees (at least 90 days after the fee resolution is adopted).

			0.25 0.0 0 0.9 0 0.34 0.3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Wocation Rat
Cash Funded CIP Financed CIP Total	Total Annual WMD CIP	Wastewater Projects Subtotal	W11	J. O O.	Item
\$13,966,000 \$23,348,313 \$16,656,688 \$11,989,375 \$8,680,000 \$7,344,688 \$4,199,000 \$14,431,500 \$27,604,000 \$20,431,625 \$18,593,438 \$15,738,625 \$18,165,000 \$37,779,813 \$44,260,688 \$32,421,000 \$27,273,438 \$23,083,313	\$18,165,000	\$13,450,375	\$4,714,625 2,400,000 1,500,000 1,500,000 2,500,000 2,100,000 1,600,000	1,660,000 255,000 0	FY 2001/02
	\$18,165,000 \$37,779,813 \$44,260,688 \$32,421,000 \$27,273,438 \$23,083,313 \$182,983,250	\$27,583,000 \$33,452,625 \$19,070,125		1,325,000 185,000 3,127,500	FY 2002/03
			1,304,063 2,559,375 0	475,000 0 6,480,000	FY 2003/04
			2,559,375 0 0 0 0 150,000 150,000 250,000 199,000 199,000 250,000 199,000 0 250,000 0 743,125 2,497,000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 8,892,500	FY 2004/05
		\$21,794,438	\$5,479,000 \$5,479,000 4,480,000 6,570,000 1,114,688 0 1,100,000 0 1,100,000 0 1,000,000	0 0 2,550,000	FY 2005/06
	\$23,083,313	\$19,914,313	\$3,169,000 4,000,000 4,1114,688 0,1250,000 4,1114,688 0,000 1,1114,688	0 0 0	FY 2006/07
\$81,985,064 \$100,998,186 \$182,983,250	\$182,983,250	\$135,264,875	4,574,375 2,500,000 0 250,000 3,000,000 3,000,000 1,500,000 1,500,000 500,000 1,194,000 500,000 1,194,000 500,000 7,700,000 8,449,375 36,112,000 22,400,000 25,000,000 338,000 37,589,500 7,589,500 162,000 162,000 1750,000 1,000,000 1,250,000 1,000,000 1,000,000 2,958,000 1,000,000 1,000,000 1,000,000 1,000,000	3,460,000 440,000 21,050,000	Tempe Total
	\$32,765,125 \$215	\$8,339,500	[4a]	21,050,000	Partner Total
	\$215	\$143	\$772 1 2 2.7 27 27 2 27 2 27 2 27 2 27 2 27 2	3 42	ا 0